



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>7</sup> :  C10G 11/18		A1	(11) International Publication Number: WO 00/68340  (43) International Publication Date: 16 November 2000 (16.11.00)
<p>(21) International Application Number: PCT/EP00/04384</p> <p>(22) International Filing Date: 10 May 2000 (10.05.00)</p> <p>(30) Priority Data: 99303667.2 11 May 1999 (11.05.99) EP</p> <p>(71) Applicant (for all designated States except US): SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. [NL/NL]; Carel van Bylandlaan 30, NL-2596 HR The Hague (NL).</p> <p>(72) Inventor; and (75) Inventor/Applicant (for US only): SAMSON, Rene [NL/NL]; Badhuisweg 3, NL-1031 CM Amsterdam (NL).</p>		<p>(81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p><b>Published</b> With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</p>	
<p>(54) Title: FLUIDIZED CATALYTIC CRACKING PROCESS</p> <p>(57) Abstract</p> <p>Fluidized catalytic cracking process which process comprises: (a) separating the hydrocarbon product from the spent catalyst by means of one or more gas-solid separation steps; (b) stripping the spent catalyst in a dense phase fluidized stripping zone by introducing a stripping medium in the lower portion of the stripping zone; (c) introducing part of the spent catalyst obtained in step (b) to a regeneration zone wherein the coke is removed from the catalyst by means of combustion; (d) introducing the remaining part of the spent catalyst and part of the hot regenerated catalyst into a lower portion of an elongated dilute phase stripping zone; (e) introducing a stream of a stripping medium into the lower portion of the dilute phase stripping zone to contact the resulting mixture of spent catalyst and regenerated catalyst therein; (f) passing a stream of the spent catalyst mixed with the hot regenerated catalyst and stripping medium in the dilute phase stripping zone; (g) introducing the separated catalyst of step (f) to the dense phase stripping zone of step (b); (h) passing the remaining part of the catalyst obtained in step (c) to the reaction zone.</p>			

